WG3 Document Status

30th Inter-Agency Space Debris Coordination Committee (IADC-30)
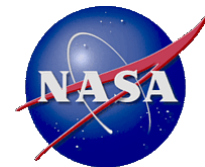**May 2012**

NASA JSC/James L. Hyde

NASA JSC-KX/Eric L. Christiansen

NASA JSC-ES/Kornel Nagy
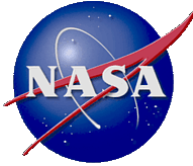
Protection Manual Status

- **"Protection Manual v4.0" (PM 4.0)**
  - Closed IT26-1: Update of Protection Manual: v4.1 with the submittal of "IADC-WD-00-03_v4_rev8.doc" to SG on 12 March 2010.
  - Residual tasks moved to new IT28 "Protection Manual 5.0"

- **PM 4.0 published on IADC public website (Oct 2011)**
    http://www.iadc-online.org/Documents/ProtectionManualnVer4nApr11.pdf

- **Closed Action Items for PM 5.0 (updates performed)**
  - IT28-1-1: ESABASE2 v3.0, description & benchmark results (*2.3.3 & 2.4*)
  - IT28-1-2: COLLO, description & benchmark results (*2.3.4 & 2.4*)
  - IT28-1-3: TURANDOT, description (*2.3.9*) - benchmark results needed!
  - IT28-1-4: Facility Cross Calibration (*4.3*)
  - IT28-1-7: Impact Risk Analysis of Unmanned Spacecraft (*2.7*)
  - IT28-1-8: MDPS Optimization (*7*)
  - IT28-1-9: Influence of Target Temperature on Impact Damage (*3.1.4*)

Protection Manual Status

- **Open Action Items for PM 5.0 (IADC-04-03_v5_rev3.docx)**
  - IT28-1-3: TURANDOT benchmark results (Higashide)
  - IT28-1-6: Description of SRL equations (Schafer)
  - IT29-1: NASA/CNSA cross calibration testing results (Han)
  - IT29-2: NASA/CSA cross calibration testing results (Nikanpour)
  - IT29-4: Assessment methodology for vulnerability of spacecraft components (Schafer)

- **Open Action Items for PM 6.0**
  - IT28-1-5: Proposal for chapter 3 reorganization with BLE summary table & description sheets (Reimerdes)
  - IT28-1-8.3: Benchmark calculations for MDPS optimization (Francesconi)
  - IT28-1-11: Update Shape Effects section 3.1.3 (Schafer)

Sensor Systems Report Status

- **"Sensor Systems to Detect Impacts on Spacecraft v1.1" (SS v1.1)**
  - IT29-5: version 1.1 (30 November 2010) distributed to WG3 members for comment after IADC29 (April 2011)
  - Comments received from CSA/Nikanpour on 8 September 2011

- **SS v2.0 draft document (IADC-08-03_v2-draft_09_08_11.docx) ready for WG3 final review before submittal to SG**
  - Changes needs to be accepted